

ABSTRACT

5 **ACOUSTIC SENSORS USING MICROSTRUCTURES TUNABLE WITH**
 ENERGY OTHER THAN ACOUSTIC ENERGY

10 A sensor for detecting acoustic energy includes a microstructure tuned to a
 predetermined acoustic frequency and a device for detecting movement of the
 microstructure. A display device is operatively linked to the movement detecting
 device. When acoustic energy strikes the acoustic sensor, acoustic energy having a
 predetermined frequency moves the microstructure, where the movement is detected
 by the movement detecting device.